

AMENDMENTS TO THE SPECIFICATION

Beginning on page 99 and ending on page 101, please replace paragraph [330] with the following paragraph [330]:

[0330] **Table 2.** Primer sequences (from 5' to 3') used in exon amplification for mutational analysis of NPHP4.

| Exon | Forward Primer | Reverse Primer | Product Size (bp) |
|------|---|---|-------------------|
| 1 | gtcggacatgcaaactcagg (SEQ ID NO: 21 <u>43</u>) | aggctctggccaactg (SEQ ID NO: 51) <u>73</u> | 439 |
| 2 | aagccttcaggattgctgtg (SEQ ID NO: 22 <u>44</u>) | catccatctgttaactggaagc (SEQ ID NO: 52) <u>74</u> | 319 |
| 3 | acatggcctgccagtgc (SEQ ID NO: 23 <u>45</u>) | cctggaccacaaagtctgag (SEQ ID NO: 53) <u>75</u> | 346 |
| 4 | acgtgtaggaaggcggctc (SEQ ID NO: 24 <u>46</u>) | gacgagcagtaaaccaccatag (SEQ ID NO: 54) <u>76</u> | 649 |
| 5 | gaggcctccatgtgcttc (SEQ ID NO: 25 <u>47</u>) | gctaaaggtggggaactc (SEQ ID NO: 55) <u>77</u> | 209 |
| 6 | tgaccctcattgagaactgc (SEQ ID NO: 26 <u>48</u>) | gtgcctcaaggttctactg (SEQ ID NO: 56) <u>78</u> | 217 |
| 7 | ttgtgctctgtctgggagtc (SEQ ID NO: 27 <u>49</u>) | catcagatgcggggtctc (SEQ ID NO: 57) <u>79</u> | 439 |
| 8 | ctccccagggacttctg (SEQ ID NO: 28 <u>50</u>) | cctgacatgcacaaatgacc (SEQ ID NO: 58) <u>80</u> | 335 |
| 9 | ttctgacagtggcgacgtg (SEQ ID NO: 29 <u>51</u>) | tgccactacattatcctcac (SEQ ID NO: 59) <u>81</u> | 279 |
| 10 | cactgttgattccccctc (SEQ ID NO: 30 <u>52</u>) | gcaaacatattgtgaactttgc (SEQ ID NO: 60) <u>82</u> | 343 |
| 11 | ttcctggttggatcgttctg (SEQ ID NO: 31 <u>53</u>) | cgacgattatcttacaatgtgg (SEQ ID NO: 61) <u>83</u> | 329 |
| 12 | aggcctgtggagacctgac (SEQ ID NO: 32 <u>54</u>) | ggggacagagggtttcttg (SEQ ID NO: 62) <u>84</u> | 232 |
| 13 | catgttgggagctttgtgg (SEQ ID NO: 33 <u>55</u>) | gacaggcacagtgcacaaac (SEQ ID NO: 63) <u>85</u> | 262 |

| | | | |
|----|---|---|-----|
| 14 | atctgagcaccgttggtg (SEQ ID NO: 34 <u>56</u>) | gggttcacaaggtccaacag (SEQ ID NO: 64 <u>86</u>) | 295 |
| 15 | ggtttcacaggaggtg (SEQ ID NO: 35 <u>57</u>) | aggtcagaacctcagcgaag (SEQ ID NO: 65 <u>87</u>) | 345 |
| 16 | accatcccctatgaaacac (SEQ ID NO: 36 <u>58</u>) | gcactgtgcaccgtatgattc (SEQ ID NO: 66 <u>88</u>) | 409 |
| 17 | gaccagagctgaaatctct (SEQ ID NO: 37 <u>59</u>) | acgctggaagcgtgactc (SEQ ID NO: 67 <u>89</u>) | 315 |
| 18 | cacagtggctttctgctg (SEQ ID NO: 38 <u>60</u>) | cgaggagagccacactctac (SEQ ID NO: 68 <u>90</u>) | 358 |
| 19 | tgtggtgggtgatctgtt (SEQ ID NO: 39 <u>61</u>) | cactgacagcaccacgaatg (SEQ ID NO: 69 <u>91</u>) | 332 |
| 20 | ccctggtgtctgctcctg (SEQ ID NO: 40 <u>62</u>) | gaggcagggaaaggatgtg (SEQ ID NO: 70 <u>92</u>) | 351 |
| 21 | agcaatagcccctgtggag (SEQ ID NO: 41 <u>63</u>) | tctcgggcagaattcgag (SEQ ID NO: 71 <u>93</u>) | 386 |
| 22 | tctctccactcctctgagc (SEQ ID NO: 42 <u>64</u>) | agggacactggtggagactg (SEQ ID NO: 72 <u>94</u>) | 377 |
| 23 | tggcagtgggtgtcttaagc (SEQ ID NO: 43 <u>65</u>) | aggaggggagagaaggacac (SEQ ID NO: 73 <u>95</u>) | 251 |
| 24 | ttggcaacagtggagatacg (SEQ ID NO: 44 <u>66</u>) | catgaggccatctgtcacc (SEQ ID NO: 74 <u>96</u>) | 342 |
| 25 | tcttgctgagcacctgtgac (SEQ ID NO: 45 <u>67</u>) | aggatacccgtggggaag (SEQ ID NO: 75 <u>97</u>) | 282 |
| 26 | cactcgtgcgtgtattagt (SEQ ID NO: 46 <u>68</u>) | caagcccactttcaatccac (SEQ ID NO: 76 <u>98</u>) | 268 |
| 27 | ccttggtggcctctcgtg (SEQ ID NO: 47 <u>69</u>) | ccagctgaatgccactg (SEQ ID NO: 77 <u>99</u>) | 318 |
| 28 | ggaaccacccatgacctg (SEQ ID NO: 48 <u>70</u>) | cagtgtccgagtcacagg (SEQ ID NO: 78 <u>100</u>) | 388 |
| 29 | cagggaatacttgaggaag (SEQ ID NO: 49 <u>71</u>) | gaggaaactcgtcctaaatgc (SEQ ID NO: 79 <u>101</u>) | 310 |
| 30 | gcagagagggtgctggtgag (SEQ ID NO: 50 <u>72</u>) | accgggcttgctgtag (SEQ ID NO: 80 <u>102</u>) | 738 |

Please insert the attached Sequence Listing as new pages --113-253--.